

Thank you for purchasing the YAMAHA Electric Acoustic Guitar. Incorporating a piezo pickup matched with a condenser microphone, this instrument achieves a realistically natural sound never before attained. A newly developed pre-amp section is utilized, designed to maximize the microphone's characteristics.

The guitar's control section is simple, easy to use, and designed to fit any playing style.

In order to make the most of the advanced features and performance provided by your guitar, please read this manual carefully before using the instrument.

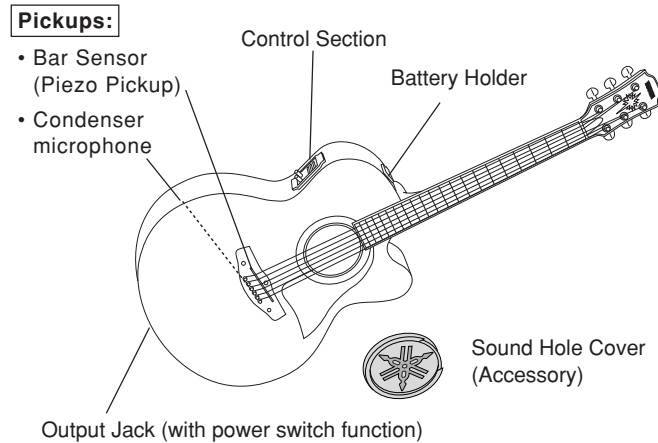
### PRECAUTIONS

- The output jack is an EIAJ-standard 1/4" phone jack. Be sure to use an appropriate connection cable.
- The built-in preamplifier is automatically turned on when a plug is inserted into the output jack. When not using the instrument, or when playing it without amplification, be sure to remove the plug from the output jack so that the preamplifier power is turned off.
- Always set the VOL. control to "0" when plugging in or unplugging the connection cable.
- The battery check indicator (BAT.) will light briefly when a plug is inserted or removed from the output jack. This is normal and does not indicate a malfunction.

### SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| <b>Model :</b>                  | Monaural 2 Way  |
| <b>System :</b>                 | SYSTEM-40   |
| <b>Pickup :</b>                 | ① Yamaha Custom Bar Sensor (Piezo type) Pickup by LR-Baggis<br>② Condenser microphone   |
| <b>Pre-amplifier Controls :</b> | VOL.<br>BLEND<br>EQUALIZER: BASS, HIGH, PRESENCE, MID<br>AMF(Adjustable Mid Frequency)  |
| <b>Output jack :</b>            | Combination end pin/power switch  |
| <b>Output impedance :</b>       | 1 kΩ  |
| <b>Power supply :</b>           | 9V DC, S-006P(6F22) dry cell battery  |
| <b>Battery life :</b>           | Approx. 150 hours   |
| <b>Accessory :</b>              | 1 hexagonal wrench, Anti Feedback Sound Hole Cover (X1), S-006P (6F22) dry cell battery |

### NOMENCLATURE



### Using the Sound Hole Cover

Feedback often occurs when controls are boosted on the electric acoustic guitar to match the volume of other instruments when playing in a band. Another source of feedback results from using the BLEND control to increase the output from the internal condenser mic. When the instrument is used under the conditions described above, the Sound Hole Cover should be inserted into the sound hole. With the Sound Hole Cover in place, feedback is effectively reduced.

### THE CONTROLS

#### ① VOL.

Controls the instrument's volume. Volume is adjusted linearly from a level of 1 to 10 without any degradation in sound quality.

\* Always set the VOL. level to "0" before making any connections to the guitar's jack.

#### ② BAT. (Battery Check) Indicator

When battery power is depleted the red LED will flash. In this condition, sound quality will not change however; the battery should be replaced with a new one as soon as possible.

#### ③ EQUALIZER

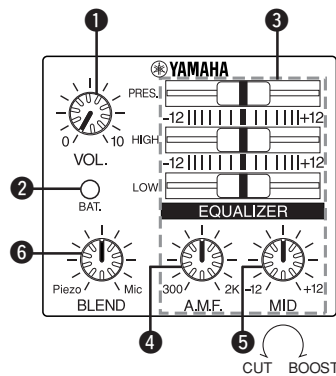
**LOW :**  
Adjusts the low frequency level (+/-12dB).

**HIGH :**  
Adjusts the high frequency level (+/-12dB).

**PRES. :**  
Adjusts the overtone level (+/-12dB). Adjusts the brilliance.

#### ④ A.M.F. Control

**⑤ MID Control**  
Mid-range equalization is carried out by first selecting the center frequency with the A.M.F. (Adjustable Mid Frequency) knob. The MID knob can then be used to boost or cut (+/-12) the selected frequency.



By controlling the center frequency, more substance can be given to the tone. For strumming, flat or cut settings are better, for lead or fingering boosting is recommended.

\* The A.M.F. control will have no effect when the MID knob is centered.

#### ⑥ BLEND

Blends the tone of the Bar Sensor (Piezo Pickup) and Condenser Mic. With the control centered, a 50:50 mix is achieved. Fully rotating the knob to the Piezo side allows only Piezo tone output. Fully rotating to the Mic. side results in a mix of 70% Mic and 30% Piezo.

To obtain a natural sound, set the knob somewhere between its center and the mic side.

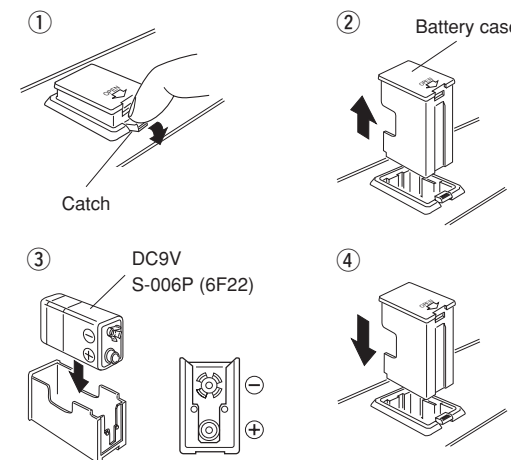
For strumming in a band, set the knob somewhere between its center and the Piezo side.

### BATTERY REPLACEMENT

Be sure to replace the battery as soon as possible when the battery check indicator lights in order to avoid reduced sound quality.

\* Be sure to remove the battery if the instrument will not be used for an extended period of time in order to prevent possible damage due to battery leakage.

- ① Press the catch on the battery holder in the direction indicated by the arrow in the illustration ① in order to unlock it.
- ② Slide out the battery case.
- ③ Remove the old battery from the battery case, and insert the new battery making sure that the (+) and (-) terminals of the battery are positioned as shown in the illustration ③. Use only a DC9V, S-006P (6F22) or equivalent battery.
- ④ Slide the battery case back into the battery holder and press firmly so that the battery case locks into place.



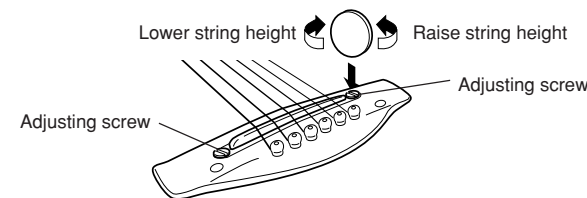
### ADJUSTING SADDLE HEIGHT (only for CPX)

String height can be adjusted at the bridge with the two adjuster screws located on either side of the bridge. With the strings loosened, rotate the adjuster screws to adjust string height. A half turn will result in approximately a 0.4 mm adjustment.

- To raise the height of the strings → rotate the screw counter-clockwise (loosen the screw).
- To lower the height of the strings → rotate the screw clockwise (tighten the screw).

After adjustment of the string height is complete, tune the guitar.

\* When you lower string height, loosen the truss rod a little (convex or back-bowed). When you raise string height, tighten the adjusting rod a little (concave or up-bowed), fret buzz will stop.



#### Reference: Factory setting

- **Saddle height :**  
from the top of the adjustable saddle case: 3mm (+0.5,-0.5)
- **Adjustable saddle case height :**  
from the top of the bridge face: 0.5mm (+0.7,-0.5)
- **String height :**  
(measured at the 12th fret, from the top of the fret to the bottom of the string)  
6th string : 2.6mm, 1st string : 1.8mm

If your guitar should need any parts or service, or if you need any information, including the address of your nearest YAMAHA dealer, contact:

#### YAMAHA CORPORATION OF AMERICA Guitar Service Department

6600 Orangethorpe Avenue  
Buena Park, Calif. 90620 Calif. U.S.A.  
TEL: 714 522 9433

#### YAMAHA EUROPA G.M.B.H.

2084 Rellingen, b. Hamburg  
Siemensstr. 22/34 Germany  
TEL: 04101 30 30

#### YAMAHA-KEMBLE MUSIC (U.K.) LTD.

Sherbourne Drive, Tilbrook,  
Milton Keynes MK7 8BL, England  
TEL: 0908-366 700

#### YAMAHA MUSIQUE FRANCE S.A.

Parc D'activités De Paris Est  
Rue Ambroise Croizat  
77183 Croissy Beaubourg France  
TEL: 64 61 4000

#### YAMAHA CANADA MUSIC LTD.

135 Milner Avenue Scarborough  
Ontario MIS 3R1 Canada  
TEL: 416 298 1311

#### YAMAHA DE MEXICO S.A. DE C.V.

Apdo. Postal No.28-207  
Mexico 1, D.F., Mexico  
TEL: 686 0033

#### YAMAHA MUSIC LATIN AMERICA CORP.

6303 Blue Lagoon Drive, Suite 330  
Miami Florida 33126 U.S.A.  
TEL: 305 264 2581

#### YAMAHA SCANDINAVIA A.B.

Box 300 53 400 43 Göteborg, Sweden  
TEL: 031 496090

#### YAMAHA-HAZEN ELECTRONICA MUSICAL S.A.

Jorge Juan 30, 28001 Madrid Spain  
TEL: 593 2554

#### YAMAHA MUSICA ITALIA S.P.A.

Viale Italia 88, 20020 Lainate (Milano)  
Italia  
TEL: 2 93577 1

#### YAMAHA MUSIC AUSTRALIA PTY., LTD.

17-33 Market Street  
South Melbourne, Vic. 3205 Australia  
TEL: 699 2388